St. Louis County (HW McDonnell Douglas Co.).
(Tract I)

165 ACC. 1

STATE OF MISSOURI

Mel Carnahan, Governor • David A. Shorr, Director

DEPARTMENT OF NATURAL RESOURCES

- DIVISION OF ENVIRONMENTAL QUALITY-

St. Louis Regional Office

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017

(314)822-0101

FAX (31+)822-09+3

Mr. Joseph Haake, Group Manager Environmental and Hazardous Materials Services McDonnell Douglas Corporation Mail Code 1111041 P.O. Box 516 St. Louis, MO 63166

Dear Mr. Haake:

April 25, 1994

L.O.W. #94-SL.028

Enclosed is a report of an inspection conducted by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

We have received your company's April 14, 1994, response to Notice of Violation (NOV) #3331. This NOV was issued as a result of violations noted during the inspection. A review of the company's response indicates that the proper actions have been taken to correct Unsatisfactory Features #1, 2, 3, 5, and 6 (as notated in the report).

In your response to Unsatisfactory Feature #4, ensure that an application for Resource Recovery Certification for the waste oil filtration unit is submitted to the Hazardous Waste Program by May 10, 1994. A copy of the application should also be sent to the attention of Mr. Joe Trunko of this office.

Your cooperation in this matter is appreciated. Should you have any questions, please call Mr. Joe Trunko at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck Regional Director

RSPE/JLT/lv

Enclosures

c: HWP

RECEIVE 11 1994

HAZARDONS WASTE PROGRAM



RECYCLED PAPER

RESOURCE CONSERVATION AND RECOVERY ACT

MISSOURI HAZARDOUS WASTE MANAGEMENT LAW COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY

McDonnell Douglas Corporation Tract I P.O. Box 516 St. Louis, MO 63166 (314) 232-3319 EPA ID #: MOD000818963

MO Generator ID #: 001001

Permit #: OSO 062284 002

Resource Recovery #: 0268-A

MO Transporter ID #: H-1039

PARTICIPANTS

Missouri Department of Natural Resources (MDNR)

Joseph L. Trunko Julie Watral Vicki Smith Environmental Specialists

McDonnell Douglas Corporation

Joseph Haake, Group Manager Environmental & Hazardous Materials Services

Charlie Kutterer Environmental & Hazardous Materials Services

INTRODUCTION

On March 22 and 23, 1994, an inspection was conducted at McDonnell Douglas Corporation-Tract I (MCDC) located in St. Louis County. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

An inspection was conducted at MCDC on June 10 and 11, 1993. Overall operations and waste handling practices at the facility have not been significantly changed since that inspection.

Storage Permit #OSO 062284 002, issued to MCDC on March 22, 1984, expires on June 22, 1994. A renewal application has been submitted to the Department.

FACILITY DESCRIPTION

MCDC is a manufacturer of military aircraft. Operations at the facility include chemical processing (conversion coating, etching, pickling, and electroplating) machining of parts, composite manufacturing, parts degreasing and painting, aircraft

McDonnell Douglas p-Tract I (HW)
April 25, 1994
Page 2

assembly and painting, aircraft testing (flight ramps), industrial wastewater pretreatment, and a boiler house.

MCDC operates 5 days per week, 24 hours per day, 3 shifts per day. The largest shift (shift 1) consists of approximately 6,733 employees. A site map of the facility is attached.

MCDC is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest waste streams include emulsified cutting oil, paint solids, solvent and paint waste, wastewater treatment sludge and acid, and caustic waste.

MCDC is permitted to store hazardous waste for greater than 90 days. Waste generated from on site as well as waste from off-site facilities is stored. Only waste from MCDC facilities is accepted from off site. Hazardous waste is transported to Tract I by MCDC (Missouri Transporter ID #H-1039). A Generator's Hazardous Waste Summary Report and Facility Quarterly Summary Report for the quarter ending December 31, 1993, are attached.

MCDC stores on-site generated waste (drum related) at three less-than-90-day storage areas. These areas are located on the east side of Building 2, at Building 48, and at Building 51. Waste solvents, paints, and oils are accumulated in drums at numerous satellite locations (mainly in Buildings 27, 29A, 220, 2, 42, and 48). When full, these containers are transferred to one of the less-than-90-day storage areas or directly to the permitted storage area. Waste oils generated in the general flight ramp area are stored at a separate storage shed located north of Building 40.

Paint solids are accumulated in red, two cubic yard dumpsters, located throughout the facility (mainly in Buildings 27, 220, 29, 2, 45, and 48). When full, these dumpsters are emptied into two rolloff dumpsters/compactors located at the north side of Building 27 and the north side of Building 48 respectively. These dumpsters are transported by Peoria Disposal Company to an off-site hazardous waste facility approximately once every two weeks.

Rags that are used to wipe-up solvents and paint are placed in 5-, 10-, 15-, and 30-gallon red trash cans located at the immediate work areas. At the end of each day, these cans are emptied into the nearest two-yard dumpster.

Wastewater pretreatment sludge (F006/F019) is accumulated in a 15 cubic yard rolloff container that is located underneath the centrifuge in Building 14. This waste is shipped directly off site by Heritage Transport, Inc.

MCDC currently stores hazardous waste for greater than 90 days in the following unit:

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Building 27 Scrap Dock Container Storage Area - Containers from off site and from the on-site, less-than-90-day storage areas are stored at this area. Acids, alkalis, oils, solvents, and paint sludges are stored in Area 1. Cyanides and sulfides are stored in Area 2. Area 2 was replaced by a prefabricated storage building in 1989.

MCDC has submitted modifications requesting the removal of the storage tanks from the permit. A detailed description of these tanks was included in the previous inspection report (dated June 30, 1993). The current status of these tanks is as follows:

Building 14 Sludge Holding Tank - MCDC submitted a request to remove this tank from permit status based on the wastewater treatment exemption. The tank must still be closed in accordance with the closure plan. Soil samples are scheduled to be collected from underneath the tank.

Building 52 Caustic Tanks (H19, H20) - A sampling plan for closure of the containment area was submitted to the Department on July 28, 1993. MCDC has completed the sampling and is currently reviewing the sample results in order to determine if remedial action will be required.

Building 52 Acid Tanks (H12-H16) - Same as the Building 52 Caustic Tanks.

Hush House Waste Tank - Groundwater remediation is ongoing. Closure will not be certified until the cleanup levels specified by the Department (letter dated May 27, 1993) are achieved. Waste jet fuel generated in this area is currently being run through an oil water separator.

Fuel Pit #3 and #4 Waste Tanks - Same as the Hush House Waste Tank.

Building 28 Waste Tank - A sampling plan for closure of the tank was submitted to the Department on July 28, 1993. Sampling has been completed and has shown no contamination. A request for closure certification will be submitted to the Department.

Ramp Station 1 and 2 Waste Tank - Tank has been removed. Ground-water remediation is ongoing. Waste jet fuel generated in this area is currently being run through an oil water separator.

Building 10 Explosives Storage Building - A sampling plan for closure of the building was submitted to the Department on July 28, 1993. Sampling has been completed and has shown no contamination. A request for closure certification will be submitted to the Department.

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The following units have been certified closed and are no longer part of the permit:

Building 52 Acid Tanks (H1-H6)

Building 6 Waste Oil Tank

F-18 Silencer Waste Tank

Building 27 Scrap Dock Container Storage Area 2 (original area 2)

Waste jet fuel that is generated at this facility is burned as a fuel in the facility's boilers. As a result, the jet fuel is not considered a solid waste.

MCDC has a Resource Recovery Certification (expires August 20, 1994) for the following operations:

Distillation of spent Methyl Ethyl Ketone and Methyl Isobutyl Ketone. Stills are located at the paint areas in Buildings 27 (currently inactive) and 48, respectively. Still bottoms are collected in 55-gallon drums and are disposed of as hazardous waste.

The recovery of perchloroethylene by steam stripping carbon adsorption beds. This process is located in Building 51. Prior to chemical milling, a maskant coating that contains perchloroethylene is applied to metal parts. As the parts dry, the perchloroethylene evaporates, is collected, and is run through a carbon adsorption unit. The perchloroethylene is stripped from the carbon beds with steam and is collected for reuse as an ingredient in new maskant production.

An operating record for the perchloroethylene recovery is attached.

Solid waste generated at the facility is hauled by MCDC to the Westlake Sanitary Landfill or the Browning Ferris Industries MOPASS Sanitary Landfill. Burnable solid waste is collected in brown, 2 cubic yard dumpsters and is burned in a permitted incinerator located at the MCDC Tract II facility.

MCDC has a NPDES Permit (MO-0004782) from the MDNR for the discharge of storm water and noncontact cooling water.

MCDC has been proactive in reducing the quantity of hazardous generated at this facility. Current waste minimization efforts include the following:

McDonnell Douglas-Tiet I (HW) April 25, 1994 Page 5

The replacement of solvent vapor degreasers (Buildings 29 and 27) with aqueous degreasers.

The use of a citrus based solvent (DS 108).

The recycling of empty metal paint cans.

The ultrafiltration of waste oils to remove the water content (proposed).

The replacement of the centrifuge with a filter press (proposed).

The on-site neutralization of corrosives (proposed).

UNSATISFACTORY FEATURES

- 1. Storage of hazardous waste for greater than 90 days, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a). The rolloff dumpster used to store the wastewater pretreatment sludge (F006/F019) at Building 14 was dated November 24, 1993. In addition, the 1000-gallon portable tank of Ferric Chloride waste being stored next to Building 52 was dated November 1, 1993. Large quantity generators may not store hazardous waste on site for greater than 90 days without a storage permit from the Department. MCDC is not permitted to store these wastes in the containers or at the locations noted above for greater than 90 days. MCDC must dispose of these wastes at a permitted hazardous waste facility. Documentation (copies of manifests) and/or written certification that this has been done must be submitted to the Department.
- 2. Open container of waste oil, in violation of 10 CSR 25-11.010(3)(C). A 55-gallon drum of waste oil with a open funnel inserted in the bung was observed in Building 42. All containers of waste oil that are 5 gallons or larger in size must be closed (or equipped with devices satisfying the requirement) except during those times when waste oil is being added to or removed from the containers.
- 3. Satellite containers of hazardous waste not marked and dated, in violation of 10 CSR 25-5.262(2)(C)3. MCDC accumulates waste rags and other solids in numerous 5-, 10-, 15-, and 30-gallon containers located throughout the facility. These containers are considered to be satellite accumulation containers (see attached letter dated November 10, 1993) and must be marked with the words "HAZARDOUS WASTE," or with other words that identify the contents of the containers, as well as with the beginning date of satellite storage.

The two cubic yard dumpsters that the small containers are emptied into are considered to be less-than-90-day storage areas and must be marked with all the information specified in 40 CFR 262.32. MCDC had begun to try to mark all these dumpsters. Efforts must continue to ensure that these containers are properly marked.

- 4. The reclamation of waste oil on site without a Resource Recovery Certification, in violation of 10 CSR 25-9.020(1)(A)3. MCDC currently operates a mobile oil filtration/distillation unit in Building 29. recycles oil that collects in the leak collection sumps associated with the hydraulic presses. After a review of the information about this unit that was submitted to the inspector on July 29, 1993, it was determined that this operation required a Resource Recovery Certification from the Department. MCDC has failed to modify RR0268-A to include this operation. RR0268-A expires on August 20, 1994. modification request to add the oil filtration operation to the current certification must be submitted with the renewal application.
- 5. Facility Summary Reports not submitted, in violation of 10 CSR 25-9.020(3)(E)6 referencing 10 CSR 25-7.264(2)(E)3. MCDC currently submits Facility Summary Reports with relation to the facility's permitted storage activity. These reports have not included information pertaining to the facility's resource recovery activities (RR0268-A). MCDC must include this information on the Facility Summary Reports.
- 6. Failure to operate the facility in accordance with the terms and conditions of the permit, in violation of the Missouri Hazardous Waste Management Law Section 260.390(2). MCDC is permitted to store a maximum of 112 drums of corrosive waste and 224 drums of oil, solvent and paint related waste for greater than 90 days at the Building 27 Scrap Dock Container Storage Area. At the time of the inspection, 244 drums of oil, solvent, and paint related waste was being stored in the area. MCDC must remove the excess waste from this area and dispose of it at an off-site hazardous waste facility. Documentation (copies of manifests) and/or written certification that this has been done must be submitted to the Department.

MCDC has requested to increase the quantity of drums that may be stored in the Building 27 Scrap Dock Container Storage Area in the permit renewal application (168 drums of corrosive waste/280 drums of oil, solvent and paint related waste). As per Mr. Haake, the existing containment system

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for this area has the capacity to store greater than 10% of the proposed quantity.

PREPARED BY:

Joseph L. Trunko

Environmental Specialist II

JLT/lv

Attachments

APPROVED BY:

Mike Struckhoff

Unit Chief, Hazardous Waste



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM LARGE QUANTITY GENERATOR INSPECTION RECORD AND CHECKLIST

	L

LQG-INSF.

FOR FACILITIES THAT GENERATE/ACCUMULATE > 1000 Kg (2,2)	00 lbs. or app	proximately, 5	drums	3)	
NAME	DATE			EPA I.D. NUMBER	
McDonnell Douglas Corporation - Tract I	3/22	13/33,	1994	MODOOC	5818963
P.O. Box 516, mail code 111 1041	RR NO.	368 - A		MO I.D. NUMBER	1
St. Louis NUMBER OF EMPLOYEES 6,733 (shift I)	YEARS AT SITE			TELEPHONE NUM	1BER 32 - 3319
Joe Hanke, Group Manager - Environment	al & Haz	colous M	400	1x C xo	
Joe Haake, Group Blannger - LAVITONMENT	· ((A2	aracos ire	4 1114	12 SELVICE	
DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT.					
6					

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Included in	Inspection	on Regoot	}		
*	,				
WASTE STREAMS					The state of the s
DESCRIBE EACH WASTE STREAM GENERATED		GENERATIO	N	EPA ID	DISPOSITION
INCLUDING THE PRODUCTION PROCESS		RATE		NUMBER	DIST OSTITION
1					
1. Numerous waste streams					
2. Oils, solvents, part-related material,	corosies				
T waste water pretreatment studge (FCOB))			
	ron) /				
3. \ are largest wask st reams					
4.					
			-		
5.					
		\			
CHECK ALL THAT APPLY (Specify if possible)			10.70		等。1967年 · 克勒利。
☐ NPDES Permit ☐ Lead/Acid Batteries	POTW .				
Septic Tank H.W. Burner/Blender/Marketer	L I Solid W	aste Landfill			
Air Permit Precious Metal Reclamation		Vater Pretreati			

· · ·		
A. GENERAL		
1. Registered as a HW Generator - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A)	GGR	COMMENTS
2. Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR	
3. Utilizes a licensed hazardous waste transporter - Section 260.380.1	GGR	
4. Utilizes authorized HW TSD or RR facility - Section 260.380.1(7) RSMo	GGR	
5. Facility does not operate as a TSD - Section 260.390(1) RSMo	GGR	
PART 1: WALK-THROU	CHIN	SPECTION
B. PRETRANSPORT, CONTAINERIZATION & STORAGE	GHIN	SPECTION
1. Storage does not exceed 90 days or 180/270 days if facility generates		O AMMENTO
< 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)		COMMENTS
2. Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.171	GPT	
3. Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	GPT	
4. Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	GPT	
5. Containers storing incompatible waste separated or protected from each other by a dike, berm or wall - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c)		*
6. Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262 (2)(C)2.B.(I)	GOR	
7. Base of containment system is imprevious and free of cracks or gaps - 10 CSR 25-5.262 (2)(C)2.B.(III)(a).	+	
8. Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.B.(III)(b).	GOR	
9. Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	GOR	
10. Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.B.(III)(d).	GOR	
11. Accumulated liquids removed to prevent overflow of containment - 10 CSR 25-5.262(2)(C)2.B.(III)(e).	GOR	
12. Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)5. referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265(2)(I)7.and 8.		
13. Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT	
14. Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262(2)(C)1.	GOR	
15. Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2)	GPT	
16. Facility inspected and maintained (weekly) - 10 CSR 25- 5.262(2)(C)2.A.(I) and (II) referencing 40 CFR 265.174	GPT	
17. Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR	
18. Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	GPT	*
19. Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT	
20. "No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5.262(2)(C)2.D(II)	GOR	
21 Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	GOR	
C. SATELLITE ACCUMULATION	10000	
	2 0	COMMENTS
1. Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a)	GPT	COMMENTS

2.	Containers in good condition CFR 262.34(c)(1)(i) referencing		GPT	COMMENTS		
3.	Waste compatible with conta 40 CFR 262.34(c)(1)(i) referen	iner - 10 CSR 25-5.262(1)	GPT			
4.	Quantities accumulated not hazardous wastes) - 1 40 CFR 262.34(c)(1)	exceeding 55 gal. (1 qu 0 CSR 25-5.262(1)	art of acutely- incorporating	GPT		
5.	Satellite containers go to ste 25-5.262(1) incorporating 40 (lling - 10 CSR	GPT		
6	Container marked identifying 5.262(2)(C)3.	contents & beginning dat	te - 10 CSR 25-	GOR		
7.	Stored in satellite areas less t	han 1 year - 10 CSR 25-5.2	262(2)(C)3.	GOR		
D.	PREPAREDNESS AND PREV	ENTION AND EMERG	ENCY PROCE	DURE	S	
	Facility operated and mainta emergency - 10 CSR 25-5.26 referencing 40 CFR 265.31	ained to minimize the po	ssibility of an	GPT	COMMENTS	
2.	Adequate and proper spill equipment available (fire blan - 10 CSR 25-5.262 (2)(C)2.E.			GPT		
3.	Adequate water supply and fir incorporating 40 CFR 262.34(GPT		
4.	Device in the hazardous wast emergency assistance - 40 CFR 262.34(a)(4) referenci	10 CSR 25-5.262(1)	GPT	* * * * *		
5.	Telephone or two-way radio fire or police department 40 CFR 262.34(a)(4) referenci	- 10 CSR 25-5.262(1)	mmoning local incorporating	GPT		
6.	Communication and emerge 10 CSR 25-5.262(1) incorpora CFR 265.33			GPT		
The same of the sa						
E.	LQG TANKS	20.40.00 化基础设置				
E.	TANK DESIGNATION	CONTENTS	CAPACI	TY	CONTAINMENT	AGE
E. 1.		CONTENTS	CAPACI	TY	CONTAINMENT	AGE
	TANK DESIGNATION	CONTENTS	CAPACI		CONTAINMENT	AGE
1.	TANK DESIGNATION	seen submitted		Currer		AGE
1.	Modification has	peen submitted t	to remove	correr le is	ally permitted tauks	AGE
1. 2. 3.	Modification has	peen submitted t	to 12move ardous was	correr le is	ally permitted tanks coneutly not being stored	AGE
1. 2. 3. 4.	Modification has	ace and operating e.g. ch	ardous was the exista	correr le is	ally permitted tanks coneutly not being stored	AGE
1. 2. 3. 4. 5.	TANK DESIGNATION Modification has learn storage propertion controls in placement of the properties of	ace and operating e.g. ch SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating etc 10 CSR 25-5.262(1)	eck valves, dry	currer k is	ally permitted tanks connently wet being stored inks.	AGE
1. 2. 3. 4. 5.	Spill prevention controls in pl discount couplings - 10 C 262.34(a)(1) referencing 40 C Overfill prevention controls alarms, automatic feed cutoff	ace and operating e.g. ch SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating , etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) vered tanks to prevent ov	eck valves, dry ating 40 CFR e.g. high level incorporating	currer te is	ally permitted tanks connently wet being stored inks.	AGE
1. 2. 3. 4. 5. 1.	Spill prevention controls in pl discount couplings - 10 C 262.34(a)(1) referencing 40 C Overfill prevention controls alarms, automatic feed cutoff 40 CFR 262.34(a)(1) reference Sufficient freeboard in uncon CSR 25-5.262(1) incorporate	ace and operating e.g. ch SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) wered tanks to prevent over ting 40 CFR 262.34(a)(1)	eck valves, dry ating 40 CFR e.g. high level incorporating referencing SR 25-5.262(1)	CUTTER IS 15 GPT GPT GPT	ally permitted tanks connently wet being stored inks.	AGE
1. 2. 3. 4. 5. 1. 2. 4.	Spill prevention controls in pl discount couplings - 10 C 262.34(a)(1) referencing 40 C Overfill prevention controls alarms, automatic feed cutoff 40 CFR 262.34(a)(1) reference CSR 25-5.262(1) incorporat 40 CFR 265.194(b)(3) Waste or treatment method ce	ace and operating e.g. ch SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) vered tanks to prevent over ting 40 CFR 262.34(a)(1) compatible with tank - 10 C a)(1) referencing 40 CFR 262 in same tank - 10 CS	eck valves, dry ating 40 CFR e.g. high level incorporating retopping - 10 referencing SR 25-5.262(1) 265.194(a) SR 25-5.262(1)	CUTTER R is GPT GPT	ally permitted tanks connently wet being stored inks.	AGE
1. 2. 3. 4. 5. 1. 5. 6.	Spill prevention controls in ple discount couplings - 10 C 262.34(a)(1) referencing 40 C PR 262.34(a)(1) referencing 40 CFR 262.34(a)(1) referencing 40 CFR 262.34(b)(3) Waste or treatment method controls incorporating 40 CFR 262.34(b)(a)	ace and operating e.g. ches SR 25-5.262(1) incorpor FR 265.194(b)(1) in place and operating e.g. ches 25-5.262(1) incorpor fr 265.194(b)(2) wered tanks to prevent over the series of the same tank - 10 Ca (1) referencing 40 CFR (26) (2) referencing 40 CFR (26) (3) referencing 40 C	eck valves, dry ating 40 CFR e.g. high level incorporating retropping - 10 preferencing SR 25-5.262(1) 265.194(a) SR 25-5.262(1) 265.199(a) rom sources of rating 40 CFR	GPT GPT GPT	ally permitted tanks connently wet being stored inks.	AGE

MO 780-0854 (7-92)

8.	3	Volatiles with vapor pressure > 78 mm @ 25 C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.D.(I)	GOR	COMMENTS
9.	2	Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)	GPT	*
10.	Ø	Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986 - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a)	GPT	
11.	7	Secondary containment system constructed of or lined with impervious waste compatible material - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(1)	GPT	
12.	7	Containment system supported by base capable of preventing failure due to settlement, compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(2)	GPT	
13.		Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(3)	GPT	
14.	d	Containment system sloped or designed to drain and remove liquids - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(b)	GOR	
15.	d	Containment system capable of containing 100% of the capacity of the largest tank - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)	GOR	
16.	d	Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(a)	GOR	
17.	Ø	Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B.(III)(d)	GOR	
18.	了	Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)	GPT	
19.	7	Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(3)	GPT	
20.	d	Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFR ,262.34(a)(1) referencing 40 CFR 265.195(a)	GPT	
21.	Z	Inspection log maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(c)	GPT	
22.	g	Cathodic protection systems inspected annually, impressed current sources every two months - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(b)	GPT	
23.	d	Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site-10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192	GPT	
24.		Written assessment by an independent, qualified, professional engineer prepared and on-site for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.191	GPT	
	Image: section of the content of the con	Leak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)	GPT	
26.	ď	Leak/spill response resulted in: waste flow stopped immediately; waste removal; containment and removal of visible releases to the environment; notification and report; and repair or closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.196	GPT	

MO 780-0854 (7-92)

PART 2: RECORDS INSPECTION

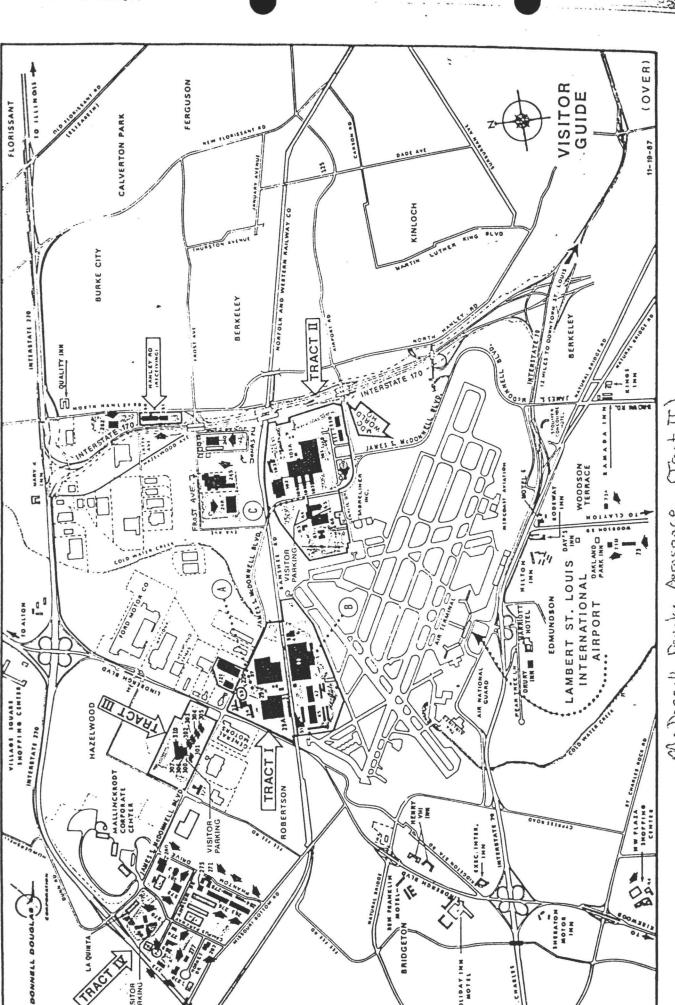
			No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa	
1.		Facility uses manifest system - 260.380.1.(6) RSMo, and 10 CSR 25-5.262(2)(B)	GMR	COMMENTS
2.		Records maintained for a 3-year period - 10 CSR 25-5.262(1) incorporating 40 CFR 262.40(a)	GRR	
3.		Generator's MO & EPA I.D. Numbers - 10 CSR 25-5.262(2)(B)	GOR	
4.	J	Manifest document, ID and consecutive shipment numbers - 10 CSR 25-5.262(2)(B)2.A.	GOR	
5.	3	Generator's name, address and phone number - 10 CSR 25-5.262(2)(B)2.	GMR	
6.		All transporters' names, phone numbers, MO & EPA I.D.#'s, license plate # - 10 CSR 25-5.262(2)(B)2.	GMR	
7.		Designated facility name, address, phone, MO & EPA I.D. #, - 10 CSR ,25-5.262(2)(B)2.	GMR	
8.		DOT shipping name, Hazard Class and waste I.D. # (RQ - if required) - 10 CSR 25-5.262(2)(B)2.	GMR	
9.		Containers, quantity and specific gravity designated - 10 CSR 25-5.262(2)(B)2.	GMR	
10.		Manifest signed and dated - 10 CSR 25-5.262(2)(B)2.	GMR	
11.	9	Out of state manifests have all required MO information - 10 CSR 25-5.262(2)(B)4.A.	GOR	
12.		Manifest continuation sheets are not used - 10 CSR 25-5.262(2)(B)1.	GOR	
13.	2	Manifest returned within 35 days - or exception report submitted within 45 days - 10 CSR 25-5.262(2)(D)2.C.	GRR	
	3	- 10 CSR 25-5.262(2)(D)1.	GOR	
G.	L	AND DISPOSAL RESTRICTIONS		
1.		Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	COMMENTS
2.		Dilution of waste to meet LDR treatment standards is not occurring - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a)	GLB	
3.	3	"Land-Ban" notification/certification, sent with manifests and retained on-site forfive years - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	
4.		Notification/certification includes correct EPA Hazardous Waste number, corresponding treatment standards, manifest number, and	GLB	
5.		waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)		
		waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)		
	P	waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4) RSONNEL TRAINING		
	P	waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4)		COMMENTS
1.	PI	waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4) RSONNEL TRAINING Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).		Training plan has been recently
2.	PI Z	waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4) RSONNEL TRAINING Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3). Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b)	GLB GPT	
2.	PI Z	waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4) RSONNEL TRAINING Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3). Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR	GLB GPT	Training plan has been recently
3.		waste analysis data - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a) Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)(4) RSONNEL TRAINING Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3). Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b) Training reviewed annually - 10 CSR 25-5.262(1) incorporating 40 CFR	GLB GPT GPT	Training plan has been recently

6. Gives job title, job description and name of employee filling each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	GPT	COMMENTS
7. Written description of introductory and continuing training that will be given to each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3)	GPT	
 Documentation of training completed by personnel - 10 CSR 25- 5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(4) 	GPT	
9. Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)	GPT	
. CONTINGENCY PLAN		The state of the s
1. Contingency plan maintained on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(a).	GPT	COMMENTS
 Plan submitted to local emergency response agencies - 10 CSR 25- 5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b) 	GPT	Contingency plan has recently been updaked & submitted with premit renkulal
3. Temergency coordinator on-site or on call - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	GPT	renk Ja
4. Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a)	GPT	
 Describes arrangements with emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c) 	GPT	
 Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d) 	GPT	
7. Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
 List emergency equipment including description, location and capabilities - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(e) 	GPT	
 Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(f) 	GPT	
J. WASTE OIL	84.5	
 Waste oil is managed properly and not disposed of into the environment 10 CSR 25-11.010(1)(D). Listed hazardous waste mixed with waste oil is handled as a hazardous 	GOR	COMMENTS
waste - 10 CSR 25-11.010(1)(C)2. Registered as waste oil generator if gen./accum. 220 lb 10 CSR 25-	GOR	*
11.010(2)(A) 4. Written waste oil contract maintained - 10 CSR 25-11.010(4)(C)	GOR	4
	GOR	
5. Uses a licensed transorter and receiving facility - 10 CSR 25-11.010(4)	GOR	
K. RESOURCE RECOVERY		· · · · · · · · · · · · · · · · · · ·
RR certification for energy recovery or reclamation of waste oil or hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.	GOR	COMMENTS
2. Still bottoms or RR residues disposed of properly - Section 260.380.1(5) RSMo.	GOR	
3. Facility is classified as U, R1 or R2 accurately - 10 CSR 25-9.020(3)(A).	GOR	
 Facility meets the operating conditions of certification - 10 CSR 25- 9.020(30)(E)3. 	GOR	
 Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSR 25-9.020(3)(E) 1. and 2. 	GOR	

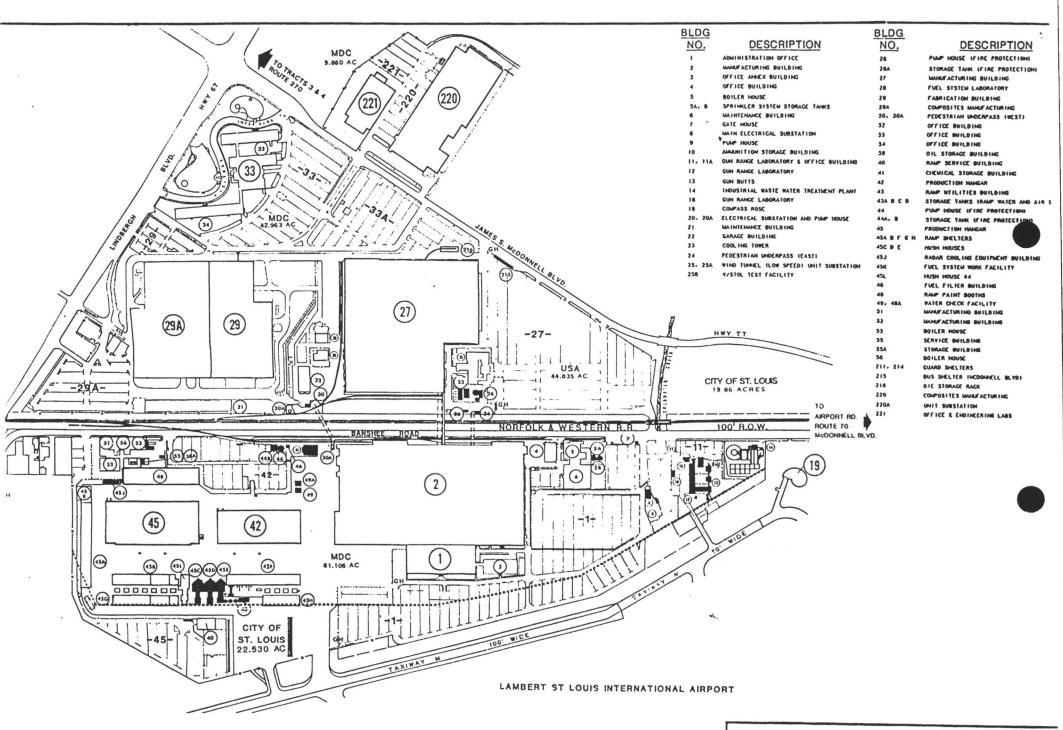
6. Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	GOR COMMENTS
7. Facility maintains a written operating record - 10 CSR 25-9.020(3)(E)5. referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR
8. Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR
9. R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	GOR
 R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2. 	GOR
11. R2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3.	GOR
12. R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	GOR
CHECKLIST KEY	
Check the 🗹 if in compliance.	
Circle the if not in compliance and provide comment.	
N/A = Not Applicable	
A shaded item is a serious deviation from the requirements (Class I \mathbf{v}	iolation)
An unshaded item is a significant deviation from the requirements (C	lass II violation unless conditions warrant Class I)
COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PL	AN
*	
•	
INSPECTOR'S SIGNATURE	DATE 4-1-94
William I Comment	1

MO 780-0854 (7-92)

LQG PAGE 7 OF 7



McDennell Devylus Armspace (Tract II moderno e19906
cola48
cola48
RR 0268-13 (814) 101)





MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I MCDONNELL DOUGLAS CORPORATION TRACT I CONTACT: JOE HAAKE MCDONNELL & LINDBERGH BLVD. HAZELWOOD MO 63042

EPAID=MOD000818963

SEHERA": SEPAID HUMBER

MOID=001001

GENERATORS WISSOURI TO NUMBER

	M.O.D.O.O.O. NOTE: THE FEDERAL EPA EXCLUSIVELY TO THE SI DEPARTMENT IF THE ADDRI	AND MISSOURI G	ENERATOR I	D YOU MUST NOTIF	IGNED
NOTE > PLEASE READ INSTRUCTIONS AND EITHER	PRINT OR TYPE				
SECTION A - REPORT IDENTIFICATION					
1. TYPE OF REPORT (CHECK ONE)	2 FOR THE PERIOD ENDING			PAGE	
O QUARTERLY ANNUAL	1 9-30 (YEAR)	DX 12-31-92 (Y	EAR)	1 OF 10	
(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)	3-31(YEAR)	☐ 6-30(Y	EAR)	_ OF _	
SECTION B - GENERATOR IDENTIFICATION			VIII. 1		
NOTE: Any change in either the mailing or site address from	previous reports requi	res renotificati	on to the D	epartment.	
4 GENERATOR S NAME D SAME AS LABEL					
MCDONNELL DOUGLAS CURPURATION					
S GENERATOR CONTACT PERSON (NAME) D SAME AS LABEL		TELEPHONE NUME			
JOE HAAKE		314-232	-3319		
6. MAILING ADDRESS	CITY .		STATE	ZIP CODE	
P.O. BUX 516, MAIL CODE 1003377	ST. LOUIS		MO	63166	
7. PLANT SITE ADDRESS AS SAME AS LABEL	CITY UAZEL MOOD		STATE	21P CODE	
LINDBERGH & MCDONNELL BLVD.	HAZELWOOD		МО	63042	
B NAME OF PARENT FIRM	OFFICE USE ONLY			NLY	
MCDONNELL DOUGLAS CORPORATION					
SECTION C - STATUS OF WASTE GENERATED (CHECK C	ONE)	2 2 3 3 3 3			7
SHIPPED OFF-SITE. Complete part 2. attach REPORTABLE QU.	ANTITY NOT GENERATED Sign	REPORTAB	LE QUANTITY G	ENERATED BUT NOT SH	IPPED
Y	insmit to the department (Do not			Sign certification and tran	smit to
certification and transmit to the department. complete Part 2)	March 1985 Action	the pepartin	ent (Do not com	Contract (
SECTION D - COMMENTS					· · _
12.					
**					
÷					

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

ROBERT H. KAATMAN

SIGNATURE

STAC

10 F.S 94



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176 GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE	COPYING	FORM.	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATIO	אטא אכ	BERS A	SSHO	OWN ON PART I.	

GENERATOR NAME

McDonnell Douglas Corporation

EPA IO NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

WISSOURITO NUMBER

0.0.1.0.0.1

NOTE > PLEASE READ INSTRUC	TIONS	AND EITH	IER PRINT	ORTYPE					
ATTENTION: Summarize all shipmen	nts ma	de to the	SECTION F	- REPO	RT IDENT	IFICATION (AS S	HOWN	ON PAF	RT I)
Hazardous Waste Management Fac			I FOR THE	EWIND EWN	ING ICHECK O	NE & FILL IN YEAR)	2. PA	GE	
identified in Section G below. Addit			9-30-			11-93 (YEAR)	2	OF _	10
required for each off-site management			D 3-31	(YEAR)	☐ 6-3	0 (YEAR)			
			Trees are not a	12					
SECTION G - FACILITY IDENTIFICAT J. FACILITY NAME (NAME OF OFF-SITE LOCAT			VAS DELIVERE	D)		A FACI	LITY'S EPA		1060
Heritage Environmental Serv									
5. FACILITY SITE ADDRESS						I.N.	D.O.9.	3.2.1	.9 .0 .1 2
7901 West Morris Street						6. FACI	LITY'S MIS	SOURL	D. NUMBER
CITY			STATE	ZII	CODE	15.05.20			130.00
Indianapolis				IN 46	231		R. K. 1	0. N. J	.3
SECTION H - WASTE IDENTIFICATION	N E			-			2. 11 C	£ 200	N. Sala
, 1	1.		1	10.		11.	12.	13	14.
DESCRIPTION OF WASTE	DOT	. SPAHA	ZARDOUS	TAX	,	TRUDMA JATO	UNIT	SPECIFIC	FINAL
M SHIPPED TO THE	HAZARO		NUMBER	3000	'	OF WASTE	OF	GRAVITY	HANDUNG
E FACILITY LISTED ABOVE	C00£			(SEE INST)			HEAS.		3000
Acid from aluminum metal		D.0.0.5							
surface cleaning		B. O. O. 8				38,960	P	•	T 0 4
Acid from cleaning/pick-			D.0.0.4						
ling aluminum/titanium			D.0.0.8			178,280	P	•	T 0 4
3 Acid from cleaning/pick-			D.0.0.4	4		405			T . O . 4
ling aluminum/titanium			D.0.0.8	A		435	P	•	T 0 4
Acid from plating/ hard coating	0 2	D.0.0.5	 	Α		435	P		T '0 '4
Acid from stainless steel		D·0·0·2	D · O · O · 7	A		433		•	1 0 4
5 pickling/plating	0 2			A		895	P		T 0 4
Acid from metal surface		D·0·0·2	D·0·0·7				- '-		1 0 7
passivate		D·0·1·0	1	A		5,370	P		T 0 4
7 Alkaline from			D.0.0.3						
chrome plating			D.0.0.8			35,000	P		T 0 4
Alkaline from derusting		D·0·0·2	D·0·0·8						
or metal parts	0 2			Α		5,880	P	•	T 0 4
SECTION I - TRANSPORTATION SER	VICES	UTILIZED	-1. 18			(4.7) 或数量等	74		
15 COMPANYMANE				16 MISS	SOURI ID NO	17 US EPA I D NUMBER	<u> </u>		2
Hamitana Tuana		T		H	1.4.64	I.N.D.0.5.8.	4.8.4.	1.14	
Heritage Trans	port,	Inc.							
7 1 1 b				H					*
				-		<u> </u>			
c				H					
SECTION J - COMMENTS							·	4.0	
8.			•						
TO4: Precipitation, neut	raliz	ation 4	iltratio	n co3	aulation	fivation	and		
discharge to POTW.	10112	acion, i	וונומנוט	ii, cod	guiacion	, IIXALIUII,	anu		
urscharge to rolm.									1



NOTE >

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

BEFORE	COPYING	FORM.	ENTER	THE	GENERAT	CR'S	NAME
AND IDE	NTIFICATIO	MUN NO	BERSA	SSHC	WN ON P	ART I.	

GENERATOR NAME

McDonnell Douglas Corporation

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUUBER

0 .0 .1 .0 .0 .1

	ATTENTION: Summarize all shipments made to the SECTION F-REPORT IDENTIFICATION (AS SHOWN ON PART I) Hazardous Waste Management Facility you have													
	_			9-30-	(YEAR)	Z 12-3	31- 93 (YEAR)			10				
	entified in Section G below. Addit	•		3-31			30 (YEAR)	_3	OF _	10_				
re	quired for each off-site management	facility	utilized.											
S	ECTION G - FACILITY IDENTIFICAT	ION	No.			PER RA			-	\$10.55 m				
3.	FACILITY NAME (NAME OF OFF-SITE LOCAT			AS DELIVERE	D)		4. FA	CILITY'S EPA	I.D. NUK	ABER				
_	Heritage Environmental Se	rvice	es, Inc.				T .N	·D ·O ·9 ·	2 .2 .1	0040				
5.			•											
CI	7901 West Morris Street			STATE	710	CODE	6. FA	CILITY'S MIS	SOURI I.	D. NUMBER				
•	Indianapolis			IN				R· R·	I · N · O	· 3				
S	ECTION HE WASTE IDENTIFICATION	IN SE	200		40	231	Section 1	15						
t 7 8. 9 10. 11. 12. 13 14.														
1	DESCRIPTION OF WASTE	100	FPA HA	ZARDOUS	TAX	,	TRUOMA JATO	זואט	SPECIFIC	FINAL				
N	SHIPPED TO THE	HAZARD	(3000	,	OF WASTE	OF		HANDLING				
E FACILITY LISTED ABOVE CODE WASTE NUMBER (SEE INST.) OF WASTE MEAS. GRAVITY CODE														
1	Alkaline cleaning	0.5	0.0.0.2	D.O.O.7			0 075			T ' O ' 4				
-	solution	0 2			Α		2,275	P	•	T '0 '4				
2	Ferric chloride from		D.0.0.5	0.0.0.7			20 520			T . O . 4				
-	metal etching Industrial wastewater		D.0.0.8	F.0.0.6			20,520	P	•	T 0 4				
3	pretreatment sludge		F.0.1.8	F 0 0 0	1		27,000	Р	:	T 0 4				
_	Water-emulsified		D.0.3.8				27,000	-	•	1 0 4				
4	cutting oil						208,440	Р		T 5 0				
E	Neutralization/cleaning		0.0.0.5											
3	of an acid spill	0 2			Α		5,220	P	•	T 0 4				
6	Mold material from		0.0.0.5											
	die-casting metals	02			A		13,475	P	•	T 0 4				
7	Acid from pickling			D. 0.0.4			0 005							
-	aluminum alloys		0.0.0.5	D. 0.0.8	_ A		2,225	P	•	1 0 4				
8	Acid sludge from various process tanks	0.2	0002		Δ		10,765	Р	:	T'0'A				
SE	CTION I - TRANSPORTATION SER	VICES	UTILIZED				10,705		1	*****				
	15 COMPANY NAME		ii .			SOURI ID NO	17 US EPAID NUUB							
ij			_		U	1.4.6.4	I · N · D · O · 5 · 8	0. 1. 0. 1	1.74	1.5				
	Heritage Tran	sport	, Inc.		n	1.4.0.4	1.4.0.0.3.6	3.4.0.4.	1.14					
					H									
Į										1.0				
ı	c				H									
şĖ	CTION J - COMMENTS					CFL TO		77. 64. 57	4,03%	4				
8.				•				1 00						
										1				

TO4: Precipitation, reduction, filtration, coagulation, fixation,

neutralization, and discharge to POTW.

REPORT SUMMARY SHEET - PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID NUMBER

M O, D, O, O, O, 8, 1, 8, 9, 6, 3

MISSOURITO NUMBER

0.0.1.0.0.1

	NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE ATTENTION: Summarize all shipments made to the SECTION F-REPORT IDENTIFICATION (AS SHOWN ON PART I)														
A'	TTENTION: Summarize all shipmer	nts mai	de la lhe	SECTION	- REPO	RT IDENT	FICATION	(AS SHO	NW C	ON PAF	TI	i.			
	azardous Waste Management Fa			1 PUR INE	PERIOD ENU	ING ICHECK O	ME & FILL IN YE	(RA	2. PA	38					
	entified in Section G below. Addit			9-30			11- 93 (YEAR		4	OF	10	20			
			-	☐ 3-31- <u></u>	(YEAR)	□ 6-3	0 (YEAR	}		Or	-				
	quired for each off-site management														
S	ection G - facility identificat	IION ?			N			M. 54.7		100					
3.	FACILITY NAME (NAME OF OFF-SITE LOCAT				(O)			4. FACILITY	'S EPA	I.D. NUI	ABER				
_	Heritage Environmental S	ervic	es, Inc	•				I. N. D.	0.9.	3.2.1	.9.0	.1 .2			
.	7901 West Morris-Street					•	.)								
CT				STATE	710	CODE		6. FACILITY			SPATER	BER			
٠.	Indianapolis			IN	1	46231			R. R.	0.N.1	.3				
S	ECTION H - WASTE IDENTIFICATION	N.	2000	Total Salara	200	A SCHOOL STREET, ST. ST. ST. ST.	Charles Amily		84° -:	4 4 40					
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[DESCRIPTION OF WASTE	DOT			TAX				UNIT		FIX				
N	SHIPPED TO THE	HAZARO		ZARDOUS	3000	T	THUOMA JATO		OF	SPECIFIC	HAND	-			
£	FACILITY LISTED ABOVE	OF WASTE		WEAS.	GRAYITY	CO	30								
	Alkaline sludge from 0002 · · ·														
1	various process tanks 0 2 · · · · · · A 1,840 P T 0 4														
2	F002F005														
٤	2 Coolant														
3	Sulfuric acid with iron/ D002D007														
_	nickel/cobalt	0 2		1:::	A		10,205		Р	•	T 0	4			
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	Fluoroboric acid	0 2		+	Α		895	P • T 0 4							
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S	CTION I - TRANSPORTATION SER	VICES	UTILIZED	1				7.79			1				
	15 COMPANY HAVE				16 MIS!	SOURI ID NO	17 US EPAID	NUUBER							
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	Heritage Trai	ispor	t, Inc.			1 4 0 4	I.N.D.O	5 8 4	0 4	1 14					
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	c c				H										
SĒ	CTION J - COMMENTS							- 1.	5.5	4.5					
8.															
	TO4: Precipitation, neutr	raliza	ation, r	reduction	, filtı	ration,	coagulat	ion, f	ixat	ion,					
	and discharge to POTW.														
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P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

M.O.D.O.O.O.8.1.8.9.6.3

	REPORT SUMMARY	SHEE	T - PART	Misso	DURILD NU	O BER	.0 .1 .0	0 . 0 . 1						
N	OTE > PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	ORTYP	E								
A	TTENTION: Summarize all shipme	nts ma	de to the	SECTION 1 FOR THE	F - REPO	DRT IDENT	IFICATION	(AS SHO	NWC	ON PAF	(TI)			
	azardous Waste Management Fa			9-30-	(YEAR	1) 🖾 12-3	31- 93 (YEAR		5	OF	10			
	lentified in Section G below. Addit	•		3-31-	(YEAR) 🛘 6-3	10 (YEAR)	12	OF				
re	quired for each off-site management	lacility	utilized.											
	ECTION G - FACILITY IDENTIFICAT				1	NEW YORK						9.7		
).	FACILITY NAME (NAME OF OFF-SITE LOCAT	ION WHI	ERE WASTE	YAS DELIVER	ED)			4. FACILITY	Y'S EPA	I.D. NUI	ABER			
	Safety-Kleen Corporation							K · Y · D ·	٥. ۶.	2.2.4	C.	1.0	·	
5.	FACILITY SITE ADDRESS						,							
*	State Hwy. 146							6. FACILITY	Y'S MIS	SOURI I.	D. NU	MBE	R	
New Castle KY 40050 R· R· K· Y· O· 2														
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5	ECTION H - WASTE IDENTIFICATION	-										20. 3	Ŵ.	
l	DESCRIPTION OF WASTE	8. DOT		2	10.		11.		12.	13		14.		
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Ē	FACILITY LISTED ABOVE	3000	WASTE	NUMBER	(SEE INST)		OF WASTE		HEAS.	GRAVIY	I	CODE	'	
_	Chlorinated solvent from	-	F · 0 · 0 · 1	F· 0· 0· 2	-				-				-	
1	painting/paint removal	1 3	D·0·4·0		A		2,520		P		т.	5	0	
_	Ignitible solvents from	-		F. 0.0.3		1	2,320		-	·	-	5	U	
5	painting/metal cleaning	0.8		D. 0.0.1		1	31,344		P		т.	5	0	
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3			D·0·3·5		1							•		
	Flammable/chlorinated			D·0·0·7										
•	solvents	8 0		F-0-0-2			24,780		P		T	5	0	
E			F · 0 · 0 · 3	F.0.0.5										
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5	Chlorinated solvent		E.0.0.1	· · ·	1									
_	from degreasing	13			A	-	1,680		P	•	I	5_	0	
7	Oil contaminated with			F.0.0.5										
_	chlorinated solvents			D. 0.4.0		 	17,640		P	•		5_	U	
3	Oil contaminated with		F 0 0 5	E.0.0.3	1	1	20 070		р		T .	٠.	_	
3	chlorinated solvents ECTION I - TRANSPORTATION SER			Territoria de la constitución de	A		20,970	S. 2. 2.		230	102	3	U	
E	15 COMPANY NAME		MILLIEED	A. L. C. WAR		SSOURI ID NO	17 US EPAID							
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ă	• Schneider Tank	Line	s, Inc.		H	. 1 . 4 . 3 . 1	M. I.D. 3	8.0.9.	0.4.	7 · 4 2				
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1	CTION J - COMMENTS									e. 13, 13, 14	152			
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MO 750-1097 (8-91)



MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

McDonnell Douglas Corporation

EPA ID HUMBER

M 0. D. O. O. O. 8. 1. 8. 9. 6. 3

MISSOURITO NUMBER

0.0.1.0.0.1

	OTE PLEASE READ INSTRUC	TIONS	AND EITH	HER PRINT	OR TY	PE								
A'	TTENTION: Summarize all shipments made to the lazardous Waste Management Facility you have 9-30- (YEAR) 12-31-93 (YEAR)													
				1 POR THE	FERIOUE	HOING ICHECK O	NE & FILL IN YE	(RA	2. PA	3E				
	entified in Section G below. Addit		A CONTRACTOR OF THE PARTY OF TH						6	OF	10			
	quired for each off-site management			D 3-31	(YEA	R) 🗆 6-3	10 (YEAR)						
				The second second second		3.		- Comments Trib						
P	ECTION G - FACILITY IDENTIFICAT FACILITY NAME (NAME OF OFF-SITE LOCAT	ION S	EDE WASTE	NAC DELIVEDE	O)			Sec. 3.44.4						
۷.	Holnam/Safety-Kleen Corp			NAS DECIVEDE	Uj			4. FACILITY	r's epa	I.D. NUI	MBER			
5	FACILITY SITE ADDRESS	oraci	UII					M . O . D .	0.2.	9.7.2	.9 .6	8. 3.		
•	Hwy. 79 North						. }	6. FACILITY	Y'S MIS	SOUBLE	D NUI	DED		
टा	TY			STATE		ZIP CODE						A.		
	Clarksville			MO		63336		R	.R .0	18	4			
5	ECTION H-WASTE IDENTIFICATION	ON :					Section 1		š.,	£ 2000				
,	7	8.		3	10.		11.		12.	13	1	4.		
ì	DESCRIPTION OF WASTE	100	F PA HA	ZARDOUS	TAX	,	OTAL AMBIENT		UNIT	SPECIFIC	FIN	AL		
N	* SHIPPED TO THE FACILITY LISTED ABOVE	CODE		NUMBER	C008		OF WASTE		OF	GRAVITY	HANC			
Ł		CODE			TAX COOE (SEE INST.) TOTAL AM OF WAS				HEAS.		CO	30		
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6	CTION I - TRANSPORTATION SER	WEEC	USU DES											
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7	CTION J - COMMENTS							17 22 74						
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REPORT SUMMARY SHEET - PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR HAME

McDonnell Douglas Corporation

EPA ID NUMBER

M.0.D.0.0.0.8.1.8.9.6.3

MISSOURI I D NUMBER

0.0.1.0.0.1

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	OTE PLEASE READ INSTRUC	TIONS	AND EITH	HER PRINT	OR TY	PE						
Hi id re	TTENTION: Summarize all shipmer azardous Waste Management Face entified in Section G below. Addit quired for each off-site management	cility y ional p facility	ou have pages are utilized.	1 FOR THE F	(YEA	LR) IN 12-3	IFICATION THE A FILL IN Y B1- 93 (YEAR 10 (YEAR	R)	2. PA	ON PAR GE 7 OF _		
S	ECTION G. FACILITY IDENTIFICAT FACILITY NAME (NAME OF OFF-SITE LOCAT	ION	EDE WASTE	WAS DELIVERS	D)	经 类的复数				12.25		
9. 1	Safety-Kleen Corporation		CHE WASTE	NAS DECIVENE	U)			4. FACILIT				
5. 1	ACILITY SITE ADDRESS						•	M. O. D.	0.9.	5.4.8	.6 .3	1 .2
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CT	St. Charles			STATE		63304		H	O. H. I	0 2	3	
s	ECTION HE WASTE DENTIFICATION	ON Sec		NO TO		03304	Constant		. S. C.	2.300		
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i	DESCRIPTION OF WASTE SHIPPED TO THE	DOT	EPA HA	ZARDOUS	TAX	1 7	OTAL AMOUNT		UATT	SPECIFIC	,	HAL
E	FACILITY LISTED ABOVE	C008	WASTE	NUMBER	ISEE INS		OF WASTE		OF HEAS.	GRAVITY		DOLING
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SĒ	CTION J . COMMENTS					A. C. C. C. C.		(1) To 10			15.	
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BEFORE COPYING FORM, ENTER THE GENERATOR'S AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.	NAME
GIMERATOR WALLS	

McDonnell Douglas Corporation

EPA ID NUMBER

M. O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUMBER

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			e management	•	-			3-31	(TEAH)	LJ 6-3	(YEA	R)				
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	BEFORE AND IDE	COPYING	FORM, ON NUM	ENTER BERS A	THE	GENERATOR'S	NAME
1	ACUEDANOS	44444					

GENERATOR NAM

McDonnell Douglas Corporation

EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

MISSOURITO NUMBER

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NOTE > PLEAS	E READ INSTRUC	TIONS										
ATTENTION: Sum	marize all shipme	nts ma	de to the	SECTION	- REPO	RT IDENT	IFICATIO	N (AS SH			ITI)	è
Hazardous Waste	Management Fa	cility y	ou have	9-30-		ING (CHECK O	THE B FILL IN	YEAR)	2. PA			
identified in Sectio	n G below. Addit	ional p	ages are	3-31-			31- <u></u> (YEA		9	OF	10	
required for each of	f-site management	facility	utilized.					,				
SECTION G-FACI	LITYIDENTIFICA	TION	100 m			- 1 A					63.42	
FACILITY NAME (NAM			ERE WASTE W	VAS DELIVERE	D)			4. FACILIT			ABER	
Safety-Klee	n Corporation	1						0. H. D.	9. 8.	0.5.8	.7.3.	5 .4
	n Drive South						•	6. FACILIT				
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SECTION H- WAST	E IDENȚIFICATI	ON X			27/4				100	# # (# g	V. 2	
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SECTION I - TRANS	SPORTATION SER	VICES	UTILIZED	AV			and est	· 12 18 18				
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ECTION J - COMM	ENTS	3 2 3				25 1 1 2 A	5 25 To 125		1	G. G. A. S		
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BEFORE	COPYING	FORM.	ENTER	THE	GENERATOR'S	NAME
AND IDE	NTIFICATIO	MUN NC	BERSA	SSHO	WN ON PART I.	

GENERAT OR NAME

McDonnell Douglas Corporation

EPA ID HUMBER

M,O,D,O,O,O,8,1,8,9,6,3

MISSOURITO NUMBER

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N	OTE PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	ORTYPE						
A	TTENTION: Summarize all shipmen	nts ma	de to the	SECTION !	- REPO	AT IDENT	FICATION	I (AS SHO	NW C	ON PAP	AT I)
	azardous Waste Management Fac			9-30-	ELIOP EUR	ING ICHECK O	11. 93 (YEAL	LAN	Z. PA	JE.	
id	entified in Section G below. Addit	ional p	ages are	3-31-	YEAR)		0 (YEAR		10	OF	10
	quired for each off-site management			0.01.	(1500)	L 6-3	(TEAT	1)			
S	ECTION G - FACILITY IDENTIFICAT	HONE	10.20 Sec. 20		W. S. Astron	10 m		Color St.			EX XX
3. 1	FACILITY NAME (NAME OF OFF-SITE LOCAT	ION WH	ERE WASTE W	AS DELIVERE	D)	1 34 4 5 Car	A court of the first	4. FACILIT			WBER
	Rollins Environmental So	ervic	es (TX)	Inc.				T. X. d.	0.5.	5.1.4	.1.3.7 8
5. 1	P.O. Box 609, 2027 Batt	learo	und Rd				•				O. NUMBER
CT	TY	regio		TATE	ZIF	CODE		Sec. 1.7			23-24 14
	Deer Park			TX		77536		I	·N ·T	X 1	6
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

FACILITY SUMMARY REPORT PART I

BU	FEFORE COFFING FORW, ATTACK THE WINTERSATION TABLE TO																
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NOTE > PLEASE READ INSTRUCTIONS AND EITHER P	RINT OR TYPE						
SECTION A - REPORT IDENTIFICATION	A CALL TO A STATE OF THE PARTY						
IMPORTANT: ALL MISSOURI BASED FACILITIES THAT RECLAIM, TREAT,	A STATE OF THE STA	ENDING COHECK ONE &	-	and the second s			
STORE, OR DISPOSE HAZARDOUS WASTE ON-SITE SHALL REPORT THE TYPE, QUANTITY AND HANDLING METHOD USED FOR EACH WASTE	T and WE	AR) A 1231-9	3 NEAD				
RECEIVED FROM ALL SOURCES. ALL FACILITIES MUST REPORT							
QUARTERLY.		AR) 0 6-30					
SECTION B FACILITY IDENTIFICATION		in the contract of	4.040	The same of the same			
2 FACILITY NAME A SAME AS LABEL							
McDonnell Aircraft Company							
4. FACILITY CONTACT PERSON (NAME) SAME AS LABEL		TELEPHONE NUMBER	LEPHONE HUMBER				
Joseph Haake	v	3	314-232-3319				
& MAILING ADORESS	CTY	87	TATE	ZIP CODE			
P.O. Box 516, Mail Code 1003377	St. Louis		HO	63166			
A PLANT SITE ADDRESS & SAME AS LABEL	CUA	\$1	TATE	ZIP CODE			
McDonnell & Lindbergh Blvd.	Hazelwood		MO	6 30 4 2			
7. HAME OF PARENT FIRM		Of	FFICE USE	OHLY			
HcDonnell Douglas Corporation							

SECTION D-	CERTIFICATION	STATEMENT
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I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Control of the second of the s

	_		
PAI	MT	NA	ME

SIGNATURE

DATE

ROBERT H. KAATMAN

Pel / Santa

10 Fars 94



MISSOURI DEPARTMENT OF NATURAL RESOURCE HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176 FACILITY SUMMARY REPORT

NOTE > PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)

PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1.8.9.6.3

FACILITY'S MISSOURI

R. R. O. 2.6.8

	1. FOR THE PERIOD ENDING (CHECK ONE & FILL		2. PAGE	NOTE: SUMMARIZE TH	E AM	OUNT	OF WASTE	RECEIVED
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	3-31(YEAR)	EAR)		COMPLETED FOR EACH				D 10 BE
S	ECTION F - GENERATOR IDENTIFI	CATIO	N (LIST THE SOURCE	OF THE WASTE LISTED OF	HT I	S PAG	Ε)	
3. (GENERATOR'S NAME	45)		E WASTE IDENTIFIED ON THIS ENERATED AND MANAGED ON-	5. GE	NERATOR	S U.S.EPA I.D. N	IUMBER
	2 11 2 1 12		SITE - CHECK THIS E		M.	U · U · U	.0.0.8.1	.8.0.6.3
	cDonnell Douglas Corporati	CITY		STATE ZIP CODE			R'S MISSOURI I.D	
L	indbergh & McDonnell Blvd.	, Haz	elwood, MO 63042			0	0 1 0 0	1
	ECTION G - WASTE IDENTIFICATI							
E	SUMMARIZE THE AMOUNT OF WASTE I	ROM T	HE ABOVE LISTED GENE			And in case of the last of the	14	
i	DESCRIPTION	DOT	EPA HAZARDOUS		UNIT		HAND	
N E	OF WASTE	10		FINAL				
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'	Valdez coolant treatment	0 2		446	Р	•	5 0 1	T 0 4
2	Acid from stainless steel pickling/plating	0 3		510			6 . 6 . 1	T : 0 : 4
_	Alkaline from derusting	0 2		. 519	Р	•	2 0 1	1 0 4
3	of metal parts	0 2		495	Р		5 0 1	T 0 4
_	Acid from titanium		D· 0· 0· 2 D· 0· 0· 7		•		J V 1	1 4
4	metal surface cleaning	0 2		519	P		5 0 1	T 0 4
5	Acid from chemical		D·0·0·2 D·0·0·7					
	conversion coating Solution from	0 2	D·0·0·2 D·0·0·7	1,557	P	•	5 0 1	I 0 4
6	coating removal	0 2	F·0·0·2	559	Р		5 0 1	T O A
_	Acid from cleaning/pick-		D·O·O·2 D·O·O·4	333	-	•	3 0 1	104
7	ling aluminum/titanium	0 2	D·O·O·7 D·O·O·8	519	Р		5 0 1	T 0 4
8	Acid from metal surface		D·O·O·2 D·O·O·7					
c	passivate ECTION H - COMMENTS	0 2	$0.0.10 \cdot \cdot \cdot$	5,709	Р	•	S 0 1	T 0 4
15.								100000000000000000000000000000000000000
	TO4: Precipitation, reduc	tion,	, neutralization,	coagulation, fixati	on,	and d	lischarge	to POTW.
	lino 6: additional final	h = = J1	in and Too					
	Line 6: additional final	nanuı	ing code: TO3					



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176
FACILITY SUMMARY REPORT
PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND HAZARDOUS WASTE PROGRAM

FACILITY NAM

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI I.D. NUMBER

R.R.O.2.6.8

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40	OTE > PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	OR TYPE				ie.		
SI	ECTION E - REPORT IDENTIFICAT	ON (A	S SHOWN	ON PART I)							
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i. C	GENERATOR'S NAME				E WASTE IDENTIFIED ON THIS ENERATED AND MANAGED ON-	5. GI	ENERATO	R'S U.S.EPA I.D. I	NUMBER		
	McDonnell Douglas Corporat	ion		- CHECK THIS	AV .	x M.	0.D.0	.0 .0 .8 .1	.8 .9 .6 .3		
. (GENERATOR'S ADDRESS	CITY			STATE ZIP CODE	7. G	ENERATO	R'S MISSOURI I.	D. NUMBER		
	Lindbergh & McDonnell Blvd				12		0	0.1.0.0	· 1		
	ECTION G - WASTE IDENTIFICATION OF WASTE I		HE ABOVE L	ISTED GENE		S HANDLE	D AT Y	PARTICULAR PROPERTY AND PROPERT			
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N	DESCRIPTION OF WASTE	HAZARD EPA HAZARD		HAZARD			TOTAL AMOUNT OF WASTE	OF	SPECIFIC	co	90
E		CODE			OL MY215	MEAS.	GRAVITY	INTERIM	FINAL		
	Alkaline from derusting		D· 0· 0· 2	D · 0 · 0 · 8							
'	of metal parts	0 2			4,455	P		S 0 1	T 0 4		
2	Water-emulsified		D. 0.3 ·8								
_	cutting oil				880	P		S 0 1	T 0 4		
3	Solution from		D· 0· 0· 2	D·0·0·7							
_	anodize sealing	1 3			480	P		S 0 1	T 0 4		
4	Alkaline cleaning		D. 0.0.2	D · O · O · \	105			a 'a .	:		
_	solution	0 2	0.0.1	0.0.7	495	P		501	T 0 4		
5	Ignitible solvents from painting/metal cleaning	0 8		D·0·0·7 F·0·0·2	10 040	Р		c'o i	T'C 0		
_	parneing/metal creating	0 8	F·0·08		18,040	- P	•	S 0 1	T 5 0		
6			D·0·3·5				:				
7	Flammable/chlorinated		F·0·0·2								
_	solvents	0 8	F·0·0·5		20,992	P		S 0 1	T 5 0		
R	8		D·0·0·7	D · 0 · 0 · 8							
-				1 !		1	1	1			

SECTION H - COMMENTS

Line 2 TO4: Recycling

Other TO4: Precipitation, reduction, neutralization, fixation, coagulation,

filtration, and discharge to POTW.

Line 2 additional final handling code: T50

Lines 5 and 6 additional final handling code: TO3

MO 780-0408 (9-91)

DNR HWF-1



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

(314) 751-3176
FACILITY SUMMARY REPORT
PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
	CATION N						

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R. R. O. 2. 6.8

	DTE PLEASE READ INSTRUC							
SI	ECTION E - REPORT IDENTIFICAT		and the state of the second state of the secon					
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	3-31(YEAR)	EAR)	Or	ON THIS PAGE. ADD				D TO BE
*				COMPLETED FOR EACH	INDIV	IDUAL	SOURCE.	
SI	ECTION F - GENERATOR IDENTIFI	CATIO	N (LIST THE SOURCE	OF THE WASTE LISTED O	N TH	SPAG	E)	
3. 0	SENERATOR'S NAME			E WASTE IDENTIFIED ON THIS	5. G8	NERATOR	R'S U.S.EPA I.D.	NUMBER
			SITE - CHECK THIS	ENERATED AND MANAGED ON-	I			
1	McDonnell Douglas Corporat	ion		X	M -(0 0	0 0 8 1	8963
	GENERATOR'S ADDRESS	CITY		STATE ZIP CODE	7. GE	NERATOR	R'S MISSOURI I.	D. NUMBER
					136	(A)		
1	Lindbergh & McDonnell Blvd	., Ha	zelwood, MO 6304	2		0.	0 · 1 · 0 · 0	·1
	ECTION G - WASTE IDENTIFICATION							
	UMMARIZE THE AMOUNT OF WASTE		HE ABOVE LISTED GENI	ERATOR AND HOW IT WAS HA	ANDLE	DATY	OUR SITE)	
L	8.	9.	10.	. 11.	12.	13.	14. HAN	DLING
1	DESCRIPTION	DOT	EPA HAZARDOUS	TOTAL AMOUNT	UNIT	SPECIFIC		DE
NE	OF WASTE	CODE	WASTE NUMBER	OF WASTE	MEAS.	GRAVITY	INTERIM	FINAL
-	Oil contaminated with	-	F·0·0·2 F·0·0·3					
1	chlorinated solvents	1 3	F·0·0·5	41,160	P		s o i	T'5 0
	Ether/sodium	1 3	D. 0. 0. 1 D. 0. 0. 5	41,100		•	301	130
2	aryl radical	0 8	0.0.0.8	512	D	:	S 0 1	T. 0. 3
-	aryr raurcar	0 0	D·0·0·2 D·0·0·7	312	F	•	2 0 1	1 0 3
3	Fluoroboric acid	0 2	00020007	519	P		S 0 1	T 0 4
-	Jet aircraft fuel contam-	0 2	D·0·0·1 D·0·1·8	519	P	•	2 0 1	1 0 4
4	inated with oil/water	0 i	00010018	1 432	P		5 0 1	+ 5 -
-		0 1	D·0·0·2	1,432	P	•	2 0 1	1 03
5	Acid from phosphatizing	0 2	0.0.0.2	1 020	P		s o i	T'0 4
_	ferrous metals	UZ		1,038	1-1-	•	201	T 0 4
6	Miscellaneous			160				-· · ·
_	laboratory chemicals			468	P	•	S 0 1	T 0 3
7	Flammable laboratory		0.0.0.1		_			
_	chemicals	8 0		1,760	P	•	501	I 0 3
	Mold material from		0.0.0.5					
0	die-casting metals	0 2		9.747	I P	•	S 0 1	T 0 4
	ECTION H - COMMENTS					5 · 0 / 1	450 8 31	378 (disk)
15.				*				
								1

Line 1 additional final handling code: TO3

TO4: Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	JMBERS	S AS SHO	NWC	ON PART I		

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI I.D. NUMBER

R. R. O. 2. 6.8

141	JIE P PLEASE READ INSTRUC	HONS	ANDEITH	ENPHINI	UHITPE				
SI	ECTION E - REPORT IDENTIFICATI	ON (AS	S SHOWN	ON PART I)					
			2. PAGE		NOTE: SUMMARIZE TH	HE AM	OUNT	OF WASTE	RECEIVED
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	3-31(YEAR)	EAR)		OF <u>1</u>					D TO BE
					COMPLETED FOR EACH	INDIV	IDUAL S	SOURCE.	
SI	ECTION F - GENERATOR IDENTIFI	CATIO	N (LIST TH	E SOURCE	OF THE WASTE LISTED O	N TH	SPAG	E)	
9-30 (YEAR) 18 12-31-93 (YEAR) 5 OF 17 AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE. 9-31- (YEAR) 6-30- (YEAR) 5 OF 17 STATE SUPPOSE NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE. SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE. MCDonnell Douglas Corporation 1- THE WASTE LISTED ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE. MCDonnell Douglas Corporation 1- THE WASTE LISTED ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED ON THIS PAGE. ADDITIONAL PAGES NEED									
	Section Sect								
1	McDonnell Douglas Corporat	ion			X	M ·	0 0	0 0 8 1	8 9 6 3
6. (SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I) 1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 1. SO THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 1. SO THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 1. SO THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 1. SO OF 17 STATE NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE. SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE) GENERATOR'S NAME MCDONNell Douglas Corporation GENERATOR'S NAME MCDONNell Douglas Corporation GENERATOR'S NAME MCDONNell Douglas Corporation GENERATOR'S NAME Lindbergh & McDonnell Blvd., Hazelwood, MO 63042 SECTION G - WASTE IDENTIFICATION SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. ACID THE WASTE LISTED ON THIS PAGE. NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MANDLED ON THIS PAGE. NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FORM THE ABOVE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FOR THE WASTE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FOR THE WASTE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FOR THE WASTE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FOR THE WASTE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NOTE: SUMMARIZE THE AMOUNT OF WASTE FOR THE WASTE LISTED ON THIS PAGE. S. GENERATOR'S MISSOURILD NUMBER NO O O O O O O O								
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S	ECTION G - WASTE IDENTIFICATION	NC							
			HE ABOVE L	ISTED GENE	ERATOR AND HOW IT WAS HA	ANDLE	DATY	OUR SITE)	
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1					TOTAL AMOUNT		SPECIFIC		
E	OF WASTE		WASTE	NUMBER	OF WASTE		GRAVITY	INTERIM	FINAL
-	Neutralization/cleaning		0.0.0.2			-			
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		0 2	0.0.0.2	D. O. O. A	0,350			3 0 1	1 0 4
		0.5			2 675	D	:	5 0 1	T 0'4
-		0 2			2,0/3		•	3 0 1	1 0 4
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_	Alkaline sludge from	NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEINDED AND HOW IT WAS HANDLED AT YOUR SITE OF HAZARD UNDER THE AMOUNT OF WASTE RECEINDED AND HOW IT WAS HANDLED AT YOUR SITE OF HAZARD UNDER SITE OF WASTE NUMBER OF		1 0 4					
4	various process tanks	0.5			E 27	D		s n i	TOA
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6			·		0.41	n		c 0 1	T 0 4
SECTION F - GENERATOR IDENTIFICATION GENERATOR'S ADDRESS CITY STATE Lindbergh & McDonnell Blvd., Hazelwood, M0 63042 SECTION G - WASTE IDENTIFICATION (SUMMARIZE THE AMOUNT OF WASTE FROM THE ABOVE LISTED GENERATOR AND HOW IT WAS HANDLED AT YOUR SITE) L B. 9 B. 10 B. 11 B. 9 B. 10 B. 11 B. 12 B. 13 B. 14 B. 10 B. 10 B. 11 B. 12 B. 13 B. 14 B. 14 B. 15 B.		1 0 4							
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		1 2			1,100	P		2 0 1	1 0 3
-37									
15.									

Lines 7 and 8 additional final handling code: T50

TO4: Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.



NOTE >

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

FACILITY SUMMARY REPORT PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND HAZARDOUS WASTE PROGRAM IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

R .R .O .2 .6 .8

	1. FOR THE PERIOD ENDING (CHECK ONE & FILL II 9-30- (YEAR) 212-31-93 (YEAR) 3-31- (YEAR) 6-30- (YEAR)	NYEAR) EAR) EAR)	2. PAG	OF	NOTE: S AND HOW ON THIS COMPLET	SUMMARIZE THE VIT WAS HAND SEPAGE. ADDITED FOR EACH	DITIO INDIV	ROM A	N INDI AGES SOURC	VIDU	AL SO	URCE
	GENERATOR'S NAME	SATIO	The state of the s	Charles and the Charles and th	HE WASTE IDENTIFIE			ENERATOR		PALO	MIMBE	R
	McDonnell Douglas Corpor		P		BOX L	X	M.	0.D.O	0.0.	.8 .1	.8 .9	.6 .3
	Lindbergh & McDonnell Bl		Hazelw	wood, MO 6	3042	ZIP CODE	7. G	O -	0 · 1 ·		1	ER
	ECTION G - WASTE IDENTIFICATION SUMMARIZE THE AMOUNT OF WASTE F		HE ABOVE	FIISTED GEN	FRATOR AND L	OW IT WAS H	NOLE	DATA	OUB E	TE		
LINE	8. DESCRIPTION OF WASTE	9. DOT HAZARD COOE	EPA I	10. HAZARDOUS TE NUMBER	TOTAL A	1. AMOUNT	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14.	HANG CO		YAL
1	Chlorinated solvent from degreasing	1 3		1 D· O· 4·0	1,74	19	Р		s ·0	i	T O	<u>.</u>
2	Potassium dichromate filters	1 6	D. 0.0.		35	50	P		s o	. 1	I.	0 3
3	Acetic acid/ nickel	•		 	1,48	35	P		s c	. 1	İ	0.4
4	Industrial wastewater pretreatment sludge	1.5	D· O· O· F O 1·		981,0	00	Р		s .0	1	T.	0. 4
5		•										•
6	A											
7		•		1				·				
8		•										
	ECTION H - COMMENTS								TO A			
15.	Line 1 additional final hat TO4: Precipitation, reduct and discharge to POTW.				, filtratio	on, coagula	ation	ı, fil	ltrat	ion	•	



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOUR 65102

(314) 751-3176

FACILITY SUMMARY REPORT APR 1 5 19

PART II

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M·O·D·O·7·5·8·8·8·4·8·7

X

FACILITY'S MISSOURI

NOTE	>	PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I) 2. PAGE

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

9-30-___(YEAR)

12-31-93 (YEAR)

0 6-30- (YEAR)

OF_17

NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOURCE ON THIS PAGE. ADDITIONAL PAGES NEED TO BE COMPLETED FOR EACH INDIVIDUAL SOURCE.

SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)

1. GENERATOR'S NAME

3-31-___(YEAR)

4. IMPORTANT: IF THE WASTE IDENTIFIED ON THIS PAGE WAS BOTH GENERATED AND MANAGED ON-SITE - CHECK THIS BOX

S. GENERATOR'S U.S.EPA I.D. NUMBER

M · O · D · O · 7 · 5 · 8 · 8 · 8 · 4 · 8 · 7

McDonnell Douglas Corporation 6. GENERATOR'S ADDRESS

STATE ZIP CODE 7. GENERATOR'S MISSOURI I.D. NUMBER

2600 North Third St., St. Charles, MO 63301

0.0.1.1.1.0

SECTION G - WASTE IDENTIFICATION

(SUMMARIZE THE AMOUNT OF WAST	9.	10.	11.	12.	13.	14	OLING
DESCRIPTION OF WASTE	DOT HAZARD COOE	EPA HAZARDOUS WASTE NUMBER	TOTAL AMOUNT OF WASTE	UNIT OF MEAS.	SPECIFIC GRAVITY	INTERIM	ODE FINAL
1 Chlorinated solvents	1 3	F·0·0·1 F·0·0·2	4,050	P			T 0 3
Mixed solvents	0 8	$ \begin{array}{c cccc} F \cdot 0 \cdot 0 \cdot 3 & D \cdot 0 \cdot 3 \cdot 5 \\ \hline F \cdot 0 \cdot 0 \cdot 5 & \cdot & \cdot & \cdot \\ \hline \end{array} $	5,475	P			T 0 3
Paint-related material (solids)	1 5	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	103,493	P			T 0 3
Explosive C's	0 6	D · 0 · 0 · 3 · · ·	3.9201	P			T 0 3
Waste oil	0 1	D. 0. 3 . 8	14,580	P			T 0 3
Coolant oil (Res.Rec.)			1,668	P			T 0 4
7							
8							

SECTION H - COMMENTS

Line 6: Water is evaporated from oil--oil is sent for fuel blending

Facility's MO ID # left off per DNR.





P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

FACILITY SUMMARY REPORTS 1994

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND HAZARDOUS WASTE PROGRAM

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

M. O. D. O. 7. 5. 8. 8. 8. 4. 8. 7 M00000818963

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3	ECTION F - GENERATOR IDENTIFIC	CATIO	N (LIST THE SOL	URCE	OF THE WASTE LISTED ON	THI	SPAG	E)		*		
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1	ECTION H - COMMENTS			1			•				9 2 2	Si A
5.	ECTION II - COMMENTS								837			2016
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

FACILITY SUMMARY REPORT \ 3

PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

R. R. O. 2.6.8

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6. 0	GENERATOR'S ADDRESS	CITY				STATE ZIP CODE	7. G	ENERATOR	R'S MISSOURI I	D. NUMBER			
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4	conversion coating	0 2		•		1,502	P		SO I	T'0 4			
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	Other TO4: Precipitation fixation, and discharge to			on,	neutraliz	zation, filtration,	coag	ulati	on,				
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HAZARDOUS WASTE PROGRAM P.O. BOX 176

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FACILITY SUMMARY

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

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HAZARDOUS WASTE PROGRAM

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FACILITY SUMMARY REPORT

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

EACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

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Other TO4: Precipitation, reduction, neutralization, fixation, filtration, coagulation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
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JEFFERSON CITY, MISSOURI 85102

(314) 751-3176
FACILITY SUMMARY REPORT
PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	UMBERS	AS SH	NWC	ON PART I	•	

FACILITY NAME

McDonnell Douglas Corporation

SACILITY'S EPA

313

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT 2 1 8 19 PART II

1	BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
1	DENTIF	CATION N	UMBER!	S AS SH	NWO	ON PART I	•	

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

R .R .0 .2 .6 .8

N	OTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE												
S	ECTION E - REPORT IDENTIFICAT	ON (A	SSHOWN	ON PART I)									
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL	IN YEAR)	2. PAGI		NOTE: SUMMARIZE TH	E AN	OUNT	OF WASTE	RECEIVED				
	9-30(YEAR) 12-31-93 (Y	EAR)	13	OF 17	AND HOW IT WAS HAND	LED F	ROM A	UDIVIDUI N	AL SOURCE				
	3-31(YEAR)	EAR)		_ OF	ON THIS PAGE. AD				O TO BE				
					COMPLETED FOR EACH	INDIV	IDUAL	SOURCE.					
S	ECTION F - GENERATOR IDENTIFI	CATIO	N (LIST T	HE SOURCE	OF THE WASTE LISTED O	N THI	S PAG	E)					
3. (GENERATOR'S NAME				HE WASTE IDENTIFIED ON THIS	5. GE	NERATO	SU.S.EPA I.O.	NUMBER				
	McDonnell Douglas Corporat	tion	Si	TE - CHECK THIS	BOX LAND MANAGED ON-	M .0	O. Q. C	.0 .0 8 1	8971				
6. (GENERATOR'S ADDRESS	CITY			STATE ZIP CODE	7. GE	NERATOR	R'S MISSOURI I	D. NUMBER				
	5775 Campus Pkwy.; Hazelwo	ood, l	40 63042	2			0-	0.1.2.5	·1				
S	ECTION G - WASTE IDENTIFICATION				1011 1		S may	· · · · · · · · · · · · · · · · · · ·					
IS	UMMARIZE THE AMOUNT OF WASTE	ROM T	HE ABOVE	LISTED GENI	ERATOR AND HOW IT WAS HA	NDLE	DATY	OUR SITE)					
ι	8.	9.		10.	11.	12	13.	14	OUNG				
1	DESCRIPTION	HAZARD	EPA H	AZARDOUS	TOTAL AMOUNT	UNIT	SPECIFIC		OOE				
E	OF WASTE	COOE	WAST	E NUMBER	OF WASTE	MEAS.	GRAVITY	INTERIM	I FINAL				
-	Debris from aircraft	-	F. 0.0 .	2 F · 0 · 0 · 3									
1	servicing/painting	1 5		5 D· O· O· 7	2,760	Р	:	S 0 1	T 0 '3				
	Ignitible solvents from	-		3 F·0·0·5			-						
2	painting/metal cleaning	8 0		L D. 0.0.7	1,200	Р		5'0 1	T'0 3				
				3 F · 0 · 0 · 2			-						
3			D· 0·35	1					1 1				
	Oil contaminated with			2 F · 0 · 0 · 3									
4	chlorinated solvents	1 3	F. 0.0 .!		4,406	P		501	T 0 3				
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SI	ECTION H - COMMENTS		4.55					有以是未为					
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DNR HWF-1



MISSOURI DEPARTMENT OF NATURAL RESOURCE HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

FACILITY SUMMARY REPORT 1 199

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI I.D. NUMBER

R.R.O.2.6.8

-	OTE PLEASE READ INSTRUC			-	A STATE OF THE PARTY OF THE PAR		TYPE						
S	ECTION E - REPORT IDENTIFICATI		-	-	N PART I)							34	
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL I			AGE			NOTE: SUMMARIZE TH						
	9-30- (YEAR) 2 12-31- 93 (Y	•		14	F_17		AND HOW IT WAS HAND						
	3-31(YEAR)	EAR)					ON THIS PAGE. AD					ED T	O BE
							COMPLETED FOR EACH						
	ECTION F - GENERATOR IDENTIFIC	CATIO	THE RESERVE OF THE PARTY.					-					
3. (GENERATOR'S NAME		1				ASTE IDENTIFIED ON THIS	5. G	ENERATOR	rs u.s	EPA I.D.	NUMBE	A
	McDonnell Douglas Corporati	tion			· CHECK THIS			M (O Q (0 0	8 1	8 9	7 1
_								-					
9. (GENERATOR'S ADDRESS	CITY				ST	ATE ZIP CODE	7. G	NERATOR	S.Z MIS	SOURI I	D. NUM	BER
	5775 Campus Pkwy., Hazelw	hoo	MU 63	042					0.	0.1	.2.5	.1	
c			MO 03	WAS I		- 515/2	San Charles of the Control of the		1		Section 1		
	ECTION G - WASTE IDENTIFICATION SUMMARIZE THE AMOUNT OF WASTE F		HE ARC	VEII	STED GEN	FRA			DATV	OHE	CITEL		
L	i.	9.		10		1	11.	12.	13.	14.	The section of the se		
Ī	DESCRIPTION	DOT	EP	A HAZ	ARDOUS		TOTAL AMOUNT	UNIT	SPECIFIC			DUNG	
N	OF WASTE	CODE			IUMBER		OF WASTE	PASM 20	GRAVITY	in	TERIM		NAL
-			D O	0. 0		-		-		-		+-	
1	Coolant	•	00	3 0		1	5,720	P		S.	0 1	Ti) 4
-	Water-emulsified		DO	9- R		-	3,720	i -	•	_		<u> </u>	-
2	cutting oil	•		-			2,200	P		S.	0 1	T.	0 4
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SI	ECTION H - COMMENTS					100	\$ 48 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		A Alexander		21.2	4	134. VA
15.													
	•												
	Line 1 TO4: Precipitatio	n, re	ducti	ion,	neutral	iza	tion, fixation, o	oagu	latio	n,			
	filtration, and discharge												
	Line 2 TO4: Recycling												

	Line 2 additional final h	andli	ng co	ode:	150								



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

3	BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.	2
	FACILITY NAME	
	McDonnell Douglas Corporation	
	PACILITYS EPA ID NUMBER M D D D D D B 1 8 9 6 3	_
	FACILITY'S MISSOURI R - R - 0 - 2 - 6 - 8	

	FACILITY SUMMARY PART II	REPO	ORT	FACILITYS	MISSOURI _	0.008	!!!		C logg
N	OTE PLEASE READ INSTRUC	TIONS	AND EITHED D	PINTOR		10.12	-0 .0		
_	ECTION E - REPORT IDENTIFICATI				ITPE				A STANK
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL !	N YEAR)			NOTE: SUMMA	RIZE THE	AMOUNT	OF WASTE	RECEIVED
	9-30- (YEAR) 2 12-3193 (Y		15 of 1	7	AND HOW IT WA				
	3-31(YEAR)	EAR)			ON THIS PAG				D TO BE
s	ECTION F - GENERATOR IDENTIFI	CATIO	NILIST THE SO	URCE O					
	GENERATOR'S NAME		4. IMPORTAN	T: IF THE W	VASTE IDENTIFIED ON T	HIS S		R'S U.S.EPA I.D.	NUMBER
	McDonnell Douglas Corpora	tion	SITE - CHE	BOTH GENE CK THIS BOX	RATED AND MANAGED		1 · O · D · C	.0 .0 8 .1	8 9 4 8
6. (CITY		s	STATE ZIP COO			R'S MISSOURI I.C	
*-	Second & Morgan Streets,		Charles, MO	63301			25	0.1.2.5	.3
	ECTION G - WASTE IDENTIFICATION UMMARIZE THE AMOUNT OF WASTE F		HE AROVE LISTE	O GENERA	TOR AND HOWAT		LED AT		
L	8.	9.	10.		11.	1:	. 13.	14. HANG	NI ING
N	DESCRIPTION	DOT HAZARD	EPA HAZARDOU		TOTAL AMOUNT	UN	SPECIFIC	CO	
E	OF WASTE	3000	WASTE NUMBE		OF WASTE	ME	I COAVITY	INTERIM	FINAL
1	Debris from aircraft servicing/painting	1 '5	D. O. O. 7 F. O F. O. O. 3 F. O		6,210			S'0 1	T.0 3
_	Acid from chemical	1 3		0.7	0,210		•	301	103
2	conversion coating	0.5			42		P :	S. 0. 1	T' 0'4
3	Flammable/chlorinated		D 0. 0. 1 D 0		.=			2:0 4	
_	solvents	8.0	D O O 8 F O F O O 2 F O		47		P :	S'0 1	T'0 3
4							1:		
5	Oil contaminated with			0.2			1	.	-1-1
_	chlorinated solvents	1 3		4.0	490		P :	S'0 1	T'0 3
6	Water-emulsified cutting oil		0030		880		P :	S'0 1	T'0 4
	cutting off						•	301	104
7		•		• • •					
8				• •					
	ECTION H - COMMENTS								
15.							14.		SEND PROPERTY.
	Lines 1,3,5,6 additional	final	handling co	de: T	50				
	Line 2 TO4: Precipitation fixation, and discharge t			itraliza	ation, filtra	tion, c	oagula	tion,	
	Line 6 TO4: Recycling								
						*			
									i



HAZARDOUS WASTE PROGRAM P.O. BOX 178 JEFFERSON CITY, MISSOURI 65102 (314) 751-3178

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

McDonnell Douglas Corporation

FACILITY'S EPA ID NUMBER

MM. O. D. O. O. O. 8. 1. 8. 9. 6. 3

	PACILITY SUMMARY PART II	HEPC)K I	FACILITY	rs Missouri BER	R. R. O.	2	6 8	4	1 0 1991
_						K. K. O.		0.0		
_	OTE > PLEASE READ INSTRUC				RTYPE			S1250 X 104 S15		
5	ECTION E - REPORT IDENTIFICAT		Contract to the Contract of th	ART I)						
	1. FOR THE PERIOD ENDING (CHECK ONE & FILL I		2. PAGE			SUMMARIZE TH				
				17		WIT WAS HAND				
	3-31(YEAR)	EAR)				ETED FOR EACH				0 10 85
	ECTION F - GENERATOR IDENTIFI	CATIO	N /I ICT THE C	NIBOE (
	GENERATOR'S NAME	CATIO			WASTE IDENT				-) I'S U.S.EPA I.D. I	MINDER
			PAGE WA	S BOTH GEN	NERATED AND		3. 30	INCIO IOI	3 U.S.EFA 1.U.	TOMBEN
	McDonnell Douglas Corpora	tion	Sile- Ch	ECK THIS BO	× L	→	M·	0 · D · 9	8 .0 .9 .6	8 4 5 7
	GENERATOR'S ADDRESS	CITY			STATE	ZIP CODE			S MISSOURI I.	
						0000				
	8900 Frost, Berkeley, MO	63134						0.	0 . 4 . 2 . 1	7
7	ECTION G - WASTE IDENTIFICATION		1.0					140		
	UMMARIZE THE AMOUNT OF WASTE		HE ABOVE LISTE	D GENER	RATOR AND	HOW IT WAS HA	NDLE	DATY	OUR SITE)	
	l.	9.	10.			11.	12:	13.	14. HANG	OLING
,	DESCRIPTION	HAZARD	EPA HAZARDO			AMOUNT	UNIT	SPECIFIC	CO	
	OF WASTE	3000	WASTE NUMB	ER	OF	WASTE	MEAS.	GRAVITY	INTERIM	FINAL
_	Oil contaminated with		F · 0 · 0 · 2 F · 0	0.0.3						
1	chlorinated solvents	1 3			4.8	395	Р		S 0 1	T 0 3
_	Debris from aircraft		D. 0.0.7 F.	0.0.2						
	servicing/painting	1 5	F. 0.0.3 F.		2,0	070	Р		S 0 1	T 0 3
,	Sulfuric acid with		D. O. O. 5 D. (0.0.7						
)	iron/nickel/cobalt	0 2			5.8	341	P		S 0 1	T 0 4
Ī	Alkaline cleaning		D. 0.0.5 D.	0.0.7						
	solution	0 2			1.4	85	P	•	S 0 1	T 0 4
	Flammable/chlorinated		D. O.O.1 D.	0.0.7						
	solvents	0.8	D. 0.0.8 F.		2.	559	Р	•	S 0 1	T 0 3
			F-0-0-3 F-0	0.0.5						
				• • •				•		
	Corrosive laboratory		D· 0·0·2 ·			.75	-		C . C .	T . 0.0
_	chemicals	0 2	0001 (0007 (2,0	J/5	P	•	S 0 1	T 0 3
	Ignitible solvents from		D001/B007/			***	_		C 'O 1	T'0 1
	painting/metal cleaning	8 0	F002/F003/	F805/40	135 1,	760	P		S 0 1	T 0 3

Lines 1,2,5,8 additional final handling code: T50

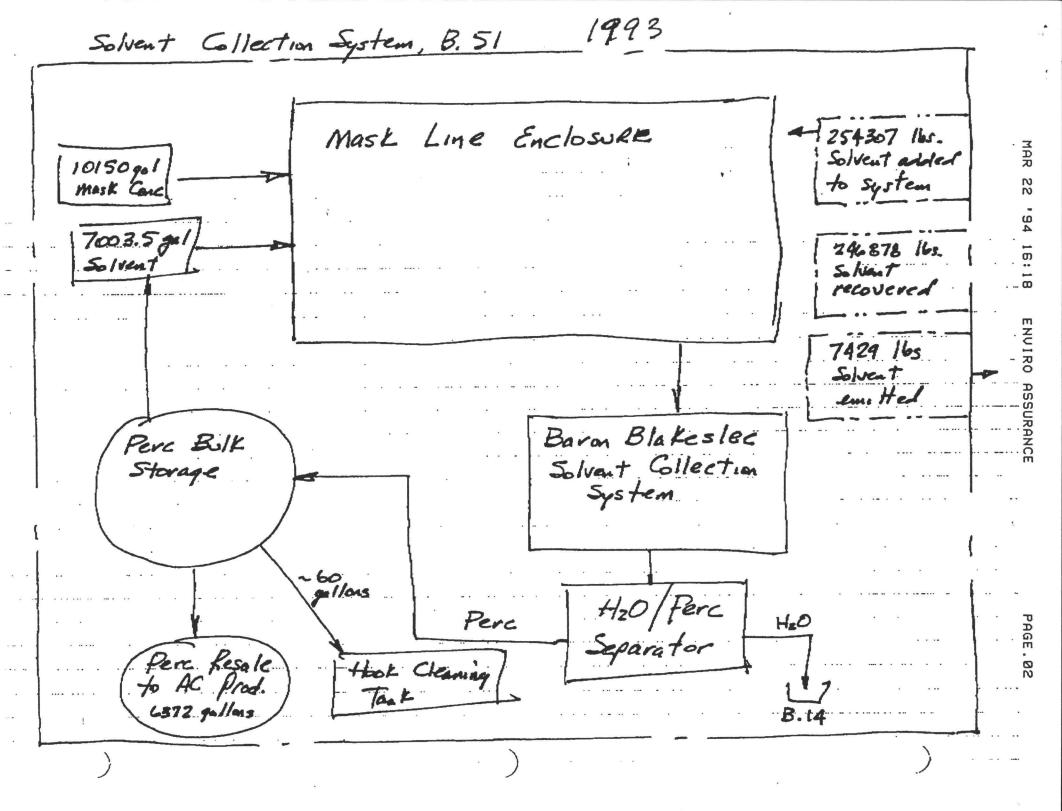
ECTION H - COMMENTS

TO4; Precipitation, reduction, neutralization, fixation, coagulation, filtration, and discharge to POTW.

sol Inven-yr-end

SOLVENT EMISSIONS REF	PORT, DEPT. 151, CH	EM-MILL MASK LINE	Year 1993	
DATE: 22-De	c-93	Signature: Brus	a M. Sta	7.
				,
I. Maskant Usage				
Maskant Deliveries (gallor	าร):	Mask Invent		
Dates:			ua-bins last yr:	13
6-Apr-93	3150	Total Full Lic	ua-bins this yr:	11
9-Aug-93	3150			
22-Nov-93	3150			
• 1	otal 9450			
Maskant Usage (Gallons) = Deliveries + (bins last report - bins this report)(350)				
	[1] Mask Usage th	s report =	10150	gallons
[2] Solvent content of mas				
II. Solvent Added to Maskant				
Mask Dilution		Viscosity Co	ntrol	
Present Meter Reading:	5215	Present Mete		233915
Previous Meter Reading:	5215	Previous Met		222039
[3] Total Added =	0	[4] Total Add	ied =	11876
III. Solvent in Bulk Stor	rage Tank	IV. Solvent	Drummed for R	esale
Present Meter Reading:	285	Present Mete	r Reading:	104870
Previous Meter Reading:	205	Previous Met		98498
[5] Net Change =	80	[6] Total Dru		6372
V. Total Mask and Solve VI. Total Solvent Added VII. Total Solvent Recov	to System = [2] + [8] * (13.47 lb	[3] + [4] = [8] = s/gal) = [9] = [4] + [5] = [10] =	22026 18879.5 254306.865 18328 246878.16	galions ibs, solvent galions
VIII. Overall Recovery	Efficiency = ([10]/[8])*[100] =	97	%
IX. Weight of Solvent/	Volume of Mask Ap	oplied = ([9]/[11])/[7]	= 0.34 ibs. solvent emi gallon mask appl	

Page 1



STATE OF MISSOURI

Mel Camahan, Governor • David A. Shorr, Director

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY P.O. Box 176 Jefferson City, MO 65102-0176

NOV15183

fice

November 10, 1993

Mr. Joe Haake McDonnell Douglas Aerospace Environmental and Hazardous Materials Services Dept. 064C, Mail Code 1003377 P.O. Box 516 St. Louis, MO 63166-0516

Dear Mr. Haake:

In the enclosed copy of your letter, you ask whether containers of contaminated rags should be managed as satellite storage containers. In the interpretation of the Missouri Department of Natural Resources (MDNR), the regulations require the management of such containers as satellite storage areas.

Please feel free to contact the MDNR with any questions concerning interpretation of hazardous waste management regulations.

Sincerely,

HAZARDOUS WASTE PROGRAM

Tom Judge

Environmental Specialist

Enforcement Section

TJ/drs

NOV 15 83

:3

Enclosure

c: St. Louis Regional Office

Route:

MCDONNELL DOUGLAS

McDonnell Douglas Aerospace

064C-2933 File 1/1

02 September 1993

Mr. Bruce Martin Missouri Department of Natural Resources Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102 SEP 5 1993

GAZAHDHIS WASTE PHOGRAM
MISSRUM DEPARTMENT OF
MATERIAL RESIDENCES

Dear Mr. Martin:

At the McDonnell Douglas facilities, rags and debris contaminated with paint and solvent are collected in 5, 10, 20, and 30 gallon containers located at work stations throughout the plant. The waste collected in these containers is placed into 1 and 2 cubic yard accumulation containers at the end of each work shift.

During a MDNR hazardous waste compliance inspection of our Tract IV facility in 1991, the inspector considered these small containers satellite accumulation containers that must be marked with the start date of waste accumulation. Because we use hundreds of these small collection containers, it is impossible to ensure proper dating.

During a recent MDNR inspection of our Tract I facility, another inspector indicated that the small collection containers are not considered satellite accumulation containers and need not be marked with accumulation start dates.

Please provide us with the Hazardous Waste Program position on small collection containers. Your immediate response will be appreciated.

Sincerely.

Joe Haake, Group Manager

Environmental and Hazardous Materials Services

Dept. 064C, Mail Code 1003377

314-232-3319

JH:dsq

EC: Joe Trunko, MDNR - SLRO